REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-9 and 11-15 are pending in the present application. Claims 1, 3, 5, 8, 10-12 and 15 have been amended, and claims 10, 17 and 18 have been canceled by the present Amendment.

In the outstanding Office Action, claims 1-14, 15 and 17 were rejected under 35 U.S.C. § 103(a) as unpatentable over Yata et al. in view of Ismael et al.; and claim 18 was rejected under 35 U.S.C. § 103(a) as unpatentable over Yata et al. in view of Ismael et al. and Draaijer et al.

Applicants thank the Examiner for discussing this application with Applicants' representative on September 9, 2004. During the discussion, the differences between the present invention and the applied art were discussed. No agreement was reached pending the Examiner's further review when a response is filed. Comments presented during the interview are reiterated below.

Claims 1-14, 15 and 17 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Yata et al. in view of Ismael et al. This rejection is respectfully traversed.

Independent claim 15 has been amended to include the subject matter recited in dependent claims 17 and 18 and to recite that the MO information is transferred from the

• dynamic link library to a management object framework only when all executing threads have

• been executed. Independent claims 1 and 8 include similar features in a varying scope.

In a non-limiting example, Figure 2 illustrates that to add or modify a MO class, at step S48, a management system invokes the DCL function by sending a control signal. When the control signal is received, the kernel 14 sets the DCL flag on at step S50. Thus, when the DCL flag is on at step S42, the kernel 14 waits for all present threads to complete execution at step S52. If dedicated agents were created, the kernel 14 would wait for the completion of all dedicated agent threads. At step S54, when all threads exit, the kernel 14 re-initializes the managed system utilizing the DCL routine. Namely, the dynamic library 24 is preferable loaded on the MOF 18. Thereafter, the kernel 14 resets the DCL flag to an off status at step S56 and continues flow of the managed system (see page 12, line 19 to page 13, line 7).

The Office Action recognizes Yeta et al. does not teach adding and modifying objects based on an external meta file (EMM) without interrupting an operation of the network management system and applies Ismael et al. as teaching this features and cites the Abstract, column 1, lines 8-10, columns 3, lines 50-57, column 5, lines 40-45, column 7, line 56 to column 8, line 4, and column 11, line 64 to column 14, line 4.

However, it is respectfully noted Ismael et al. is generally directed to allowing different protocols, such as HTTP, SNMP, CORBA, etc. that can be used to manage objects.

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To achieve this feature, Ismael et al. provides managed object adaptors 30, 32, 34, 36 and 38

shown in Figure 3, for example (see also column 8, lines 34-44). Further, in column 7, line

66 to column 8, line 4, Ismael et al. discusses a dynamic loading service enabling core

management services to a network management system agent while it is running. However,

Ismael et al. does not provide details about how managed object information is updated or

modified. On the contrary, independent claims 1, 8 and 15 include specific features in

which the dynamic library is loaded to the management object framework when all threads

have completed execution and a dynamic class loading flag is on. Thus, a program

developer is able to add or create managed objects without shutting down the entire

management system.

Accordingly, it is respectfully submitted independent claims 1, 8 and 15 and each of

the claims depending therefrom are allowable.

Further, it is respectfully submitted the other rejection noted in the outstanding

Office Action has also been overcome as claim 18 is a dependent claim.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the

application is in condition for allowance. If the Examiner believes that any additional changes

would place the application in better condition for allowance, the Examiner is invited to contact

the undersigned attorney, **David A. Bilodeau**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is

hereby made. Please charge any shortage in fees due in connection with the filing of this,

concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and

please credit any excess fees to such deposit account.

Respectfully submitted,
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